Document title : **How to reload Factory calibration of the Wave Length Monitor on a PICARRO 2000 Serie (G2301, G2401)**

Document History :

Date	Version	Revision	Authors	Comments
01/10/2013	1	0	Olivier LAURENT	Creation
07/11/2018	1	1	Olivier LAURENT	update

Diffusion :

☐ ATC internal   ☒ ICOS Community   ☐ Public

Repository :

1. ATC Document Management System:

   Directory "\ramces\ramces_data\metro\DOCUMENTATION ICOS\ATC - Network Support (NS)"

2. ICOS Document Management System :

   ALFRESCO

Disclaimer :

Document approved by :	**Approval date :**	**Signature :**
O. LAURENT	07/11/2018	

Introduction

After long period of inactivity (Shipment, storage…) or any situation during which the instrument is deprived of signal for an extended period (extremely dryed air or Zero gas), the Picarro WaveLength Monitor (WLM) may "lose" its calibration. The WLM have not any signal to center on.

The commonly observed symptom on G2401 or G2301 is a reported H2O at 0%v even if the sampled gas is not dry.

In order to fix this issue, it is necessary to reset the WaveLength Monitor with the factory Calibration setup.

⚠ The following procedure concerns **only** the Picarro G2000 serie.

Procedure

Step 1

In the following directory *C:\Picarro\G2000\InstrConfig\Calibration\InstrCal* , rename the file called like *_*_WarmBoxCal_active.ini (there will be only one such file ending in *active.ini) into *_*_WarmBoxCal_active_**old**.ini.

By renaming the calibration .ini file, the Picarro will not find the calibration parameters and will reload the factory Calibration (Set at Picarro). The WLM adjusts periodically its own Calibration parameters while the analyzer is running.

Step 2

Stop the Picarro Software by using the "Shutdown" button, then select "Stop analyzer software only". If there is no option to select once "shutdown" button is pressed, the analyzer will shut down. In that case, skip step 3 and restart the Picarro with the Power button on the front panel.

Step 3

Re-start the Picarro software using the dedicated icon (called "start Instrument") on the MS Windows Desktop.

⚠ **Wait for several minutes (up to 1 hour) to see if the concentration is properly reported.**